GOVERNMENT OF INDIA
DEFENCE
LOK SABHA

UNSTARRED QUESTION NO:1631
ANSWERED ON:25.11.2016
New Advanced Towed Artillery Gun System
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Will the Minister of DEFENCE be pleased to state:

(a) whether the Defence Research and Development Organisation (DRDO) has successfully conducted proof firing tests of Armament system for 155 mm x 52 calibre New Advanced Towed Artillery Gun System (ATAGS);

(b) if so, the details thereof;

(c) whether ATAGS is fully indigenously built towed artillery gun system and if so, the details thereof;

(d) whether the ATAGS has high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system; and

(e) if so, the details thereof?

Answer

MINISTER OF STATE (DR. SUBHASH BHAMRE)
IN THE MINISTRY OF DEFENCE
????? ????? ?????? (??. ????? ?????)

(a) & (b): Yes, Madam. Two sets of Armament Systems, including Ordnance (Barrel, Breech Mechanism and Muzzle Brake) and Recoil System for 152 mm x 52 calibre Advanced Towed Artillery Gun System (ATAGS) have been proved on newly developed Fixed Firing Stand "Angad" installed at Proof and Experimental Establishment (PXE), Balasore, during 13-22 June 2016 and 28 Sep 2016. Maximum chamber pressure of 558 Â± 15 Mega Pascal was achieved during the trials.

(c) Yes, Madam. The following subsystems have been manufactured for integration:

(i) Ordnance Assembly (Gun Barrel, Breech Mechanism and Muzzle Brake)

(ii) Recoil System

(iii) Gun Structural System

(iv) Automotive System

(v) Gun Automation and Control System

(vi) Communication System including Battery Command Post (BCP), Voice and Data Communication Unit (VDCU), Software Defined Radio (SDR)

(vii) Sighting System including Optronic Sight, Dial Sight, Telescope and Muzzle Bore Sight

(d) & (e): Yes, Madam. Details are given below:

High Mobility: 18 km/hr (on road) and 10 km/hr (Beaten dessert track) in Self Propelled (SP) mode. 40 km/hr in Towed mode.

Quick Deployability: Coming into and out of action time of 1 min 30 sec.

Auxiliary Power Mode: Achieved with 110 kW Diesel Engine.

Advanced Communication System: equipped with Voice and Data Communication Unit (VDCU) and Software Defined Ratio (SDR) based Communication System.

Automated Command and Control System: Compatible with Artillery Combat Command & Control System (ACCCS) Shakti protocols.

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